STIC Search Report
EIC 2100

STIC Database Tracking Number: 122735

TO: Minh D Nguyen
Location: 4R20
Art Unit : 2137
Friday, May 21, 2004

Case Serial Number: 09/725674

From: Carol Wong
Location: EIC 2100
PK2-4B33
Phone: 305-9729

carol.wong@uspto.gov

Search Notes

Dear Examiner Nguyen,

Attached are the search results (from commercial databases) for your case.

Color tags mark the patents/articles which appear to be most relevant to the case. Color of tag has no significance. Pls review all documents, since untagged items might also be of interest. If you wish to order the complete text of any document, pls submit request(s) directly to the EIC2100 Reference Staff located in PK2-4B40.

Pls call if you have any questions or suggestions for additional terminology, or a different approach to searching the case. Finally, pls complete the attached Search Results Feedback Form, as the EIC/STIC is continually soliciting examiners' opinion of the search service.

Thanks,
Carol

STIC EIC 2100
Search Request Form

USPTO

| Today's Date: 5/21/04 | What date would you like to use to limit the search? Priority Date: Dec 16, 99   Other: |

Name _Minh D. Nguyen_

AU _2137_ Examiner # _79995_

Room # _R20_ Phone _3059727_

Serial # _09/725674_

Format for Search Results (Circle One):

PAPER   DISK   EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI   Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES)   NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Distributing digital content using watermarking.

1/ duplicate/copy a part of digital content, include copyright info., encrypt the whole thing.

2/ embedd in digital content an invisible info. comprising position + size for arranging the copyright info. and the encryption key.

| STIC Searcher _cavi wang_ | Phone _3059729_ |
| Date picked up _5-21-04_ | Date Completed _5-21-04_ |

stira
Search and Information
Resources Administration

Set	Items	Description
S1	140115	(DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYBER OR ONLINE OR VIRTUAL OR LINE)(1W)(CONTENT? ? OR ASSET? ? OR DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES OR OBJECT? ? OR RECORD? ?)
S2	104	EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3	2780	(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)(2W)S1:S2
S4	716	(PART OR PARTS)(2W)S1:S2
S5	304054	DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6	27923	ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S7	27923	ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S8	4054	DESCRAMBL? OR UNSCRAMBL?
S9	9576	SCRAMBL?
S10	234290	CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD? OR UNCOD???? ?
S11	3720	WATERMARK? OR WATER()(MARK OR MARKS OR MARKED OR MARKING? ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO()(GRAPH???? ? OR GRAM? ?)
S12	37971	S5(3N)(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)
S13	8212	S5(3N)(PART OR PARTS)
S14	178	S3:S4(10N)S5
S15	368	S12:S13(15N)S1:S2
S16	114	S14:S15(25N)S7:S10
S17	44	S14:S15(25N)S7:S9
S18	6350	IC='H04L-009'
S19	265	IC='G09C-001'
S20	153	IC='H04N-001/44'
S21	17	S14:S15 AND S18:S20
S22	1	S17(25N)S11
S23	3	S16(25N)S11
S24	9	S14:S15(25N)S11
S25	1	S24 AND S18:S20
S26	4	S22:S23 OR S25
S27	4	IDPAT (sorted in duplicate/non-duplicate order)
S28	4	IDPAT (primary/non-duplicate records only)
S29	43	S17 NOT S28
S30	43	IDPAT (sorted in duplicate/non-duplicate order)
S31	43	IDPAT (primary/non-duplicate records only)

 28/5,K/3   (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01084247   **Image available**
SECURE PRESENTATION OF ENCRYPTED DIGITAL CONTENT
**PRESENTATION SECURISEE DE FLUX MULTIMEDIA REALISEE EN REPONSE A UN CONTENU
    NUMERIQUE CHIFFRE**
Patent Applicant/Assignee:
  KALEIDESCAPE INC, 339 North Bernardo Avenue, Suite 100, Mountain View, CA
    94043, US, US (Residence), US (Nationality)
Inventor(s):
  MALCOLM Michael A, P.O. Box 7667, Aspen, CO 81612, US,
  COLLENS Daniel A, 790 Bonavista Drive, Waterloo, Ontario N2K 3Z8, CA,
  WATSON Stephen, 65 Clinton Street, Toronto, Ontario M6G 2Y4, CA,
  RECHSTEINER Paul, 109 Front St. E., Apt. 627, Toronto, Ontario M5A 4P7,
    CA,
  HUI Kevin, 308-29 West Avenue, Kitchener, Ontario N2M 5E4, CA,
Legal Representative:
  SWERNOFSKY Steven A (agent), Swernofsky Law Group PC, P.O. Box 390013,
    Moutain View, CA 94039-0013, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200406559 A2-A3 20040115 (WO 0406559)
  Application: WO 2003US21650 20030709 (PCT/WO US03021650)
  Priority Application: US 2002394630 20020709; US 2002394922 20020709; US
    2002394588 20020709; US 2003356692 20030131; US 2003356322 20030131; US
    2003377266 20030228; US 2003378046 20030228
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL
  PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM
  ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **H04L-009/00**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 9824

English Abstract
  Secure presentation of media streams (110) includes encoding the media
  streams (110, 111) into digital content (111), encrypting a portion of
  that digital content (230, 231, 232), the portion being required for
  presentation, in which the encrypted version is substantially unchanged
  in formatting parameters from the clear version of the digital content
  (111). Selecting those portions for encryption so there is no change in
  distribution of the media stream: packetization of the digital data, or
  synchronization of audio with video portions of the media stream. When
  encoding the media stream into MPEG-2, refraining from encrypting
  information by which the video block data is described, packet formatting
  information, and encrypting the video block data using a
  block-substitution cipher. A block-substitution cipher can be used to
  encrypt each sequence of 16 bytes of video data in each packet, possibly
  leaving as many as 15 bytes of video data in each packet in the clear
  (260).

French Abstract
  L'invention concerne la presentation securisee de flux multimedia qui est
  realisee au moyen d'un procede consistant : a coder le flux multimedia en
  contenu numerique ; a chiffrer une partie de ce contenu numerique, cette

partie etant necessaire a la presentation et la version chiffree restant
sensiblement la meme dans le formatage de parametres de la version non
chiffree du contenu numerique ; a selectionner ces parties pour un
chiffrage de facon qu'aucune modification ne soit apportee a la
distribution du flux multimedia : paquetisation des donnees numeriques ou
synchronisation des parties audio avec les parties video du flux
multimedia. Lorsque le codage du flux multimedia se fait en MPEG-2, le
procede consiste a eviter de chiffrer des informations au moyen
desquelles le bloc de donnees video est decrit, a formater par paquets
ces informations et a chiffrer le bloc de donnees video au moyen d'un
chiffre de substitution de bloc. Un chiffre de substitution de bloc peut
etre utilise pour chiffrer chaque sequence de 16 octets de donnees video
dans chaque paquet, en laissant eventuellement 15 octets de donnees video
dans chaque paquet de la version non chiffree.

Legal Status (Type, Date, Text)
Publication   20040115 A2 Without international search report and to be
                          republished upon receipt of that report.
Search Rpt   20040401 Late publication of international search report
Republication 20040401 A3 With international search report.

Main International Patent Class: **H04L-009/00**
Fulltext Availability:
  Detailed Description
Detailed Description
... as described herein. The memory or mass storage 14 1b is also capable
   of maintaining **copies** of at least **portions** of the **digital   content**
   111, possibly **watermarked** or fingerprinted as described in related
   applications "Parallel Distribution and Fingerprinting of Digital
   Content," (Collens...

  28/5,K/4   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00811788   **Image available**
A METHOD AND APPARATUS FOR WATERMARKING DIGITAL CONTENT
PROCEDE ET APPAREIL POUR POURVOIR D'UN FILIGRANE UN CONTENU NUMERIQUE
Patent Applicant/Assignee:
  SUN MICROSYSTEMS INC, 901 San Antonio Road, M/S: UPAL01-521, Palo Alto,
    CA 94303, US, US (Residence), US (Nationality)
Inventor(s):
  CARONNI Germano, 1063 Morse Avenue #25-300, Sunnyvale, CA 94089, US,
  SCHUBA Christoph, 473 Hope Street #1, Mountain View, CA 94041, US,
Legal Representative:
  HECKER Gary A (et al) (agent), The Hecker Law Group, Suite 2300, 1925
    Century Park East, Los Angeles, CA 90067, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200145410 A2-A3 20010621 (WO 0145410)
  Application: WO 2000US33151 20001206 (PCT/WO US0033151)
  Priority Application: US 99461259 19991215
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
  SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04N-001/32
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 8069

English Abstract
A method and apparatus for watermarking digital data is described herein
whereby the digital data is decomposed into a plurality of original data
segments, one or more of the original data segments replicated at least
once to generate replica data segments, a set of watermarks is generated,
each watermark is applied to a respective data segment to generate
watermarked data segments, the data segments are encrypted using
encryption keys to generate encrypted data segments. One or more
embodiments of the invention include providing a subset of the encryption
keys corresponding to a subset of the encrypted data segments, wherein
each encrypted data segment in the subset of the encrypted data segments,
can be decrypted using a corresponding encryption key in the subset of
encryption keys, and wherein the decrypted data segments can be combined
to reconstruct the digital data including one or more of the watermarks.

French Abstract
L'invention concerne un procede et un appareil pour pourvoir d'un
filigrane un contenu numerique. Dans ce procede, les donnees sont
decomposees en plusieurs segments de donnees d'origine, un ou plusieurs
segments de donnees sont dupliques au moins une fois pour generer des
segments de donnees de replique; on genere un ensemble de filigranes, et
chaque filigrane est applique a un segment de donnees correspondant pour
generer des segments de donnees a filigrane; et l'on chiffre les segments
de donnees en utilisant des cles de chiffrage pour generer des segments
de donnees qui sont chiffres. Dans un ou plusieurs modes de realisation
de l'invention, on fournit un sous-ensemble de cles de chiffrage
correspondant a un ensemble de segments de donnees chiffres, et chaque
segment de donnees chiffre faisant parti d'un sous-ensemble de segments
de donnees chiffres peut etre dechiffre au moyen d'une cle de chiffrage
correspondante dans le sous-ensemble de cles de chiffrage. Les segment de
donnees dechiffres peuvent etre combines pour reconstruire les donnees
numeriques comprenant un ou plusieurs filigranes.

Legal Status (Type, Date, Text)
Publication   20010621 A2 Without international search report and to be
                           republished upon receipt of that report.
Examination   20010927 Request for preliminary examination prior to end of
                           19th month from priority date
Search Rpt   20011227 Late publication of international search report
Republication 20011227 A3 With international search report.

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
... the digital data for every recipient, all the recipients receive a
  copy of the same **encrypted** data segments. According to
  one or more embodiments of the invention, the distribution set contains
  multiple **copies** (in data **segments**) of the original **digital   data**
  with **watermarks**
  and location (or reconstruction) information. According to one or more
  embodiments of the invention, a...

Claim
... generator and said data
  segment generator, said watermark applicator configured to apply said
  plurality of **watermarks** to said at least one of said data segments.

  47 The system of claim 45 further comprising:
  decryptor configured to decrypt a subset of said **encrypted** data
  segments
  using a subset of said plurality of **encryption** ;
  reconstructor coupled to said **decryptor** , said reconstructor configured
  to combine said **decrypted** data **segments** to reconstruct a **copy** of
  said **digital   data** , a copy of said **digital   data** comprising a
  subset of said data segments wherein said subset of said data segments
  having a unique combination of **watermarks** .

01358354
Contents recording method, contents reproduction method, contents recorder, contents reproducer, and recording medium
Verfahren zur Inhaltsaufzeichnung und Inhaltswiedergabe, Inhaltsrekorder, Inhaltswiedergabegerat, und Aufzeichungsmedium
Methode d'enregistrement et de reproduction du contenu, enregistreur et reproducteur du contenu, et support d'enregistrement
PATENT ASSIGNEE:
   VICTOR COMPANY OF JAPAN LIMITED, (278644), 12, Moriya-Cho 3-chome Kanagawa-Ku, Yokohama-Shi Kanagawa-Ken, (JP), (Applicant designated States: all)
INVENTOR:
   Inoha, Wataru, 1-4-11-301, Morisaki, Yokosuka-shi, Kanagawa-ken, (JP)
   Higurashi, Seiji, 1-36-7, Midori-cho, Fuchu-shi, Tokyo, (JP)
   Sugahara, Takayuki, 3-23-7-1-702, Hon-cho, Yokosuka-shi, Kanagawa-ken, (JP)
   Kuroda, Yoshiro, 23-13-908, Tsukuno-cho, Tsurumi-ku, Yokohama-shi, Kanagawa-ken, (JP)
LEGAL REPRESENTATIVE:
   HOFFMANN - EITLE (101511), Patent- und Rechtsanwalte Arabellastrasse 4, 81925 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1158513 A2 011128 (Basic)
APPLICATION (CC, No, Date):   EP 2001112065 010525;
PRIORITY (CC, No, Date): JP 2000154326 000525; JP 2000194148 000628; JP 2000156022 000526; JP 2000194147 000628
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G11B-020/00

ABSTRACT EP 1158513 A2
   A method according to the present invention starts reproduction of contents (15) while contents validity is verified based on signature information (24). If it is found that the contents are invalid as a result of contents validity verification based on the signature information, the method stops the reproduction of contents and inhibits subsequent reproduction. The method may verify the validity only when a flag (20) indicates that the signature information for contents validity to be reproduced is present. Also, the method may compare an invalid signature information entry (30) recorded in signature information memory (28) with the signature information (24) read from the recording medium (12). If the signature information memory contains an entry that matches the signature information, the method does not request a signature verification unit (22) to verify the contents of the signature but determines the contents (15) as invalid.
ABSTRACT WORD COUNT: 146
NOTE:
   Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 011128 A2 Published application without search report
 Examination: 011128 A2 Date of request for examination: 20010525
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A (English) 200148   916
     SPEC A   (English) 200148   3994
Total word count - document A   4910
Total word count - document B   0
Total word count - documents A + B   4910

...SPECIFICATION to some other recorder.
   In the embodiment described above, digital contents are recorded

without being **encrypted** . At least **part** of the **digital** **contents**
may be **encrypted** before recording, and **decrypted** by the **reproducer** .

As described above, the method used in the embodiment compares the
invalid signature information entries...

...from the recording medium.
In the embodiment described above, digital contents are recorded
without being **encrypted** . At least **part** of the **digital** **contents**
may be **encrypted** before recording, and **decrypted** by the **reproducer** .

Also, in the above embodiment, various types of information such as the
digital contents, copy...

31/5,K/13   (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01308783
DATA DISTRIBUTION SYSTEM AND RECORDER FOR USE THEREIN
DATENVERTEILUNGSVORRICHTUNG UND ZUGEHORIGES AUFZEICHNUNGSGERAT
SYSTEME DE DISTRIBUTION DE DONNEES ET ENREGISTREUR A UTILISER DANS CE
   SYSTEME
PATENT ASSIGNEE:
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    Moriguchi-shi, Osaka 570-8677, (JP), (Applicant designated States: all)
  PFU LIMITED, (930123), Nu-98-2, Aza-Unoke, Unoke-machi, Kahoku-gun
    Ishikawa 929-1125, (JP), (Applicant designated States: all)
  FUJITSU LIMITED, (211463), 1-1, Kamikodanaka 4-chome, Nakahara-ku,
    Kawasaki-shi, Kanagawa 211-8588, (JP), (Applicant designated States:
    all)
  Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
    101-8010, (JP), (Applicant designated States: all)
  Nippon Columbia Co., Ltd., (2395621), 14-14 Akasaka 4-chome, Minato-ku,
    Tokyo 107-8011, (JP), (Applicant designated States: all)
INVENTOR:
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  HIOKI, Toshiaki Sanyo Electric Co., Ltd, 5-5, Keihanhondori 2-chome,
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  TAKEMURA, Hiroshi Sanyo Electric Co., Ltd, 5-5, Keihanhondori 2-chome,
    Moriguchi-shi, Osaka 570-8677, (JP)
  TAKAHASHI, Masataka PFU Limited, Nu98-2, Aza Unoke, Unoke-machi,
    Kahoku-gun, Ishikawa 929-1192, (JP)
  HASEBE, Takayuki Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku,
    Kawasaki-shi, Kanagawa 211-8588, (JP)
  FURUTA, Shigeki Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku,
    Kawasaki-shi, Kanagawa 211-8588, (JP)
  HATAKEYAMA, Takahisa Fujitsu Limited, 1-1, Kamikodanaka 4-chome,
    Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, (JP)
  TONEGAWA, Tadaaki Semiconductor & Integr. Circuits, Hitachi, Ltd 20-1,
    Josuihoncho 5-chome, Kodaira-shi, Tokyo 187-8588, (JP)
  ANAZAWA, Takeaki Nippon Columbia Co., Ltd, 14-14, Akasaka 4-chome,
    Minato-ku, Tokyo 107-8011, (JP)
LEGAL REPRESENTATIVE:
  Glawe. Delfs. Moll (100699), Patentanwalte Postfach 26 01 62, 80058
    Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1237325 A1 020904 (Basic)
                              WO 2001041359 010607
APPLICATION (CC, No, Date):   EP 2000978048 001201; WO 2000JP8497 001201
PRIORITY (CC, No, Date): JP 99345244 991203
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04L-009/32; G06F-012/14; G10K-015/02;
  G06F-013/00
CITED PATENTS (WO A): XP 2937811
CITED REFERENCES (WO A):
  JP 2000357127 A
  JP 6326786 A
  JP 11328850 A
  Digital Transmission Content Protection Specification, Volume 1
    (Informational Version), Revision 1.0, (1999 April), XP002937811;

ABSTRACT EP 1237325 A1
    A license server (10) includes a CRL database (306) holding a
  revocation list recording therein classes predetermined corresponding
  respectively to a memory device, such as a memory card, and a content
  reproduction circuit, such as a cellular phone, that are subjected to
  revocation of distributing, reproducing and transferring content data. A
  distribution control unit (315) suspends an operation distributing
  content data if the distribution is addressed to a class listed on the
  revocation list. The revocation list is also held in the memory card and
  distribution control unit (315) in distributing content also transmits
  information for updating the revocation list in the memory card.
ABSTRACT WORD COUNT: 105
NOTE:
  Figure number on first page: 0005

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Application: 010801 A1 International application. (Art. 158(1))
  Application: 010801 A1 International application entering European
                             phase
  Application: 020904 A1 Published application with search report
  Examination: 020904 A1 Date of request for examination: 20020702
  Assignee: 021211 A1 Transfer of rights to new applicant: Sanyo
                             Electric Co., Ltd. (2206455) 5-5,
                             Keihan-Hondori 2-chome, Moriguchi-shi, Osaka
                             570-8677 JP
                             FUJITSU LIMITED (211463) 1-1, Kamikodanaka
                             4-chome, Nakahara-ku Kawasaki-shi, Kanagawa
                             211-8588 JP
                             Hitachi, Ltd. (204145) 6 Kanda Surugadai
                             4-chome Chiyoda-ku, Tokyo 101-8010 JP
  Change: 030102 A1 Inventor information changed: 20021107
LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English)   200236   5603
      SPEC A   (English)   200236   14095
Total word count - document A   19698
Total word count - document B   0
Total word count - documents A + B 19698

...SPECIFICATION replaced by steps S145 and S147.
    Initially in memory card 115 reproduction information including an
  encrypted license key is **decrypted** with Km(1), and (Kc//AC2)Kcom, a
  license ID, a content ID and AC1 are accepted (step S145).
    Furthermore, a **portion** thereof, i. **e** ., **reproduction   information**
  (Kc//AC2)Kcom, which is not recorded in license information hold unit
  1420 corresponding to a TRM region, is **encrypted** by **encryption** unit
  1452 using symmetric key K(1) and it is thus recorded in memory 245...

  31/5,K/16   (Item 16 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01115086
Method and system for processing information on encryption basis
Verfahren   und   System   zur   Informationsverarbeitung   auf   Basis   von

Verschlusselung
Procede et systeme de traitement d'informations sur la base de chiffrage
PATENT ASSIGNEE:
  Victor Company of Japan, Ltd., (278645), 3-12 Moriya-cho, Kanagawa-ku,
    Yokohama 221-0022, (JP), (Applicant designated States: all)
INVENTOR:
  Yokouchi, Kentaro, 4-2-405, Sugita Tsubonomi, Isogo-ku, Yokohama-shi,
    Kanagawa-ken, (JP)
LEGAL REPRESENTATIVE:
  Pellmann, Hans-Bernd, Dipl.-Ing. et al (9227), Patentanwaltsburo
    Tiedtke-Buhling-Kinne & Partner Bavariaring 4, 80336 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 977107 A2 000202 (Basic)
APPLICATION (CC, No, Date):   EP 99113424 990712;
PRIORITY (CC, No, Date): JP 98230011 980731
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 977107 A2
    A data processing apparatus generates a random number key, and
  generates a first intermediate key in response to the random number key.
  The data processing apparatus memorizes the first intermediate key in
  connection with an identifier. A combination of the identifier and the
  random number key is transmitted from the data processing apparatus to a
  reproducing device. The reproducing device generates a second
  intermediate key in response to the random number key. A combination of
  the identifier and the second intermediate key is transmitted from the
  reproducing device to the data processing apparatus. The data processing
  apparatus retrieves the first intermediate key in response to the
  identifier transmitted from the reproducing device. The data processing
  apparatus decides whether or not the retrieved first intermediate key and
  the second intermediate key are equal to each other. The data processing
  apparatus and the reproducing device are disconnected from each other
  when the data processing apparatus decides that the retrieved first
  intermediate key and the second intermediate key are not equal to each
  other. The data processing apparatus generates a first bus key in
  response to the first intermediate key. The reproducing device generates
  a second bus key in response to the second intermediate key. Encryption
  and decryption of digital information transmitted between the reproducing
  device and the data processing apparatus are implemented in response to
  the first and second bus keys.
ABSTRACT WORD COUNT: 230
NOTE:
  Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 20000202 A2 Published application without search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
    CLAIMS A (English) 200005   3281
    SPEC A   (English) 200005   16367
Total word count - document A   19648
Total word count - document B   0
Total word count - documents A + B   19648

...SPECIFICATION compact disc) and a DVD (a digital versatile disc).
    A conceivable DVD stores encrypted or **scrambled** digital information
  pieces representing different video titles (that is, video contents of
  different types) respectively. A DVD player or a DVD drive reproduces the
  encrypted digital information pieces from the conceivable DVD. It
  is desirable that the **reproduced digital information pieces** are
  re- **encrypted** before being transmitted to an authorized data processing
  apparatus such as an authorized personal computer...

31/5,K/17   (Item 17 from file: 348)

01021334
Apparatus for receiving digital broadcast signal and apparatus for recording and reproducing digital broadcast information included in the digital broadcast signal
Vorrichtung zum Empfang eines digitalen Übertragungssignals sowie Vorrichtung zur Aufzeichnung und Wiedergabe der im digitalen Übertragungssignal eingefugten digitalen Übertragungsinformation
Appareil de reception d'un signal de transmission numerique et appareil d'enregistrement et de reproduction de l'information de transmission numerique contenue dans le signal de transmission numerique
PATENT ASSIGNEE:
  Victor Company of Japan, Ltd., (278645), 3-12 Moriya-cho, Kanagawa-ku, Yokohama 221-0022, (JP), (Applicant designated States: all)
INVENTOR:
  Ohishi, Takeo, 2-47-3-206, Kajigaya-cho, Sakae-ku, Yokohama, (JP)
LEGAL REPRESENTATIVE:
  Finsterwald, Martin, Dr. et al (75234), Manitz, Finsterwald & Partner GbR Martin-Greif-Strasse 1, 80336 Munchen, (DE)
PATENT (CC, No, Kind, Date):   EP 914002 A2 990506 (Basic)
                               EP 914002 A3 020102
APPLICATION (CC, No, Date):   EP 98120403 981028;
PRIORITY (CC, No, Date): JP 97312592 971029
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-007/167; H04N-005/44

ABSTRACT EP 914002 A2
    When a received broadcast signal is received in a digital broadcast signal receiving apparatus, an entitlement management message EMM representing broadcast-watching enabling information is extracted from the received digital broadcast signal in an EMM extracting unit regardless of any operation. An extracted digital broadcast signal already descrambled in a preceding step is recorded in a recording unit. When a user selects a reproducing operation in a current step, particular digital broadcast information indicating a particular television program is extracted from the extracted digital broadcast signal in a packet extracting unit. Therefore, the particular television program can be reproduced. When a user selects a receiving operation in the current step, pieces of digital broadcast information indicating television programs are extracted from the received digital broadcast signal in the packet extracting unit and are descrambled according to the message EMM, and the pieces of digital broadcast information are recorded as an extracted digital broadcast signal of the current step in the recording unit. Accordingly, because the message EMM is extracted regardless of any operation, the pieces of digital broadcast information indicating television programs can be reliably extracted from the digital broadcast signal in the receiving operation.
ABSTRACT WORD COUNT: 195
NOTE:
  Figure number on first page: 6

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Change: 020102 A2 International Patent Classification changed:
                            20011109
 Application: 990506 A2 Published application (A1with Search Report
                            ;A2without Search Report)
 Change: 021016 A2 Designated contracting states changed 20020829
 Examination: 021016 A2 Date of request for examination: 20020207
 Search Report: 020102 A3 Separate publication of the search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update   Word Count
     CLAIMS A (English) 9918   1418
     SPEC A   (English) 9918   8698
Total word count - document A   10116

...SPECIFICATION signal selected by the switch 203 in the direct
reproducing operation and the receiving operation, **deciphering** the
entitlement management message EMM and the entitlement control messages
ECM in the direct **reproducing** operation and the receiving operation,
extracting each **piece** of **digital** broadcast **information** from the
received digital broadcast signal, performing a **descrambling** processing
for each digital broadcast information by using the entitlement
management message EMM and the...

31/5,K/18   (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00865744
**Image information processing system and microprocessor for the protected
    reproduction of AV data**
**Bildinformationsverarbeitungssystem und Mikroprozessor fur die geschutzte
    Reproduktion von audiovisuellen Daten**
**Dispositif de traitement d'information d'image et microprocesseur pour la
    reproduction protegee de donnees audiovisuelles**
PATENT ASSIGNEE:
  MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216885), 1006, Oaza Kadoma,
    Kadoma-shi, Osaka 571-0050, (JP), (Applicant designated States: all)
INVENTOR:
  Uesaka, Yasuhsi, 2-16-16, Tsutsujigaokakita, Sanda-shi, Hyogo-ken 669-16,
    (JP)
  Yamauchi, Kazuhiko, 19-1-407, Ishizuminami-machi, Neyagawa-shi, Osaka-fu
    572, (JP)
  Kozuka, Masayuki, 19-1-207, Ishizuminami-machi, Neyagawa-shi, Osaka-fu
    572, (JP)
  Higaki, Nobuo, Shining-Sato 2H, 4-15-26, Komatsu, Higashiyodogawa-ku,
    Osaka-shi, Osaka-fu, (JP)
  Horiuchi, Koichi, 47-11-202, Nagisasakae-machi, Hirakata-shi, Osaka-fu
    573, (JP)
  Haruna, Syusuke, 4-73-2, Midorigaoka, Itami-shi, Hyogo-ken 664, (JP)
LEGAL REPRESENTATIVE:
  Crawford, Andrew Birkby et al (29761), A.A. Thornton & Co. 235 High
    Holborn, London WC1V 7LE, (GB)
PATENT (CC, No, Kind, Date):   EP 794487 A2 970910 (Basic)
                                EP 794487 A3 000830
APPLICATION (CC, No, Date):   EP 97301528 970307;
PRIORITY (CC, No, Date): JP 9651247 960308; JP 96142507 960605; JP 96261524
    961002
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-009/30; G11B-020/00; G06F-001/00

ABSTRACT EP 794487 A2
    A microprocessor used in an image information processing system is
provided. The microprocessor includes: decryption unit 59 for decrypting
the encrypted compressed AV data; IDCT unit 58 for performing an inverse
DCT to decompress the decrypted compressed AV data; and microprogram
memory 54 for storing microprograms for executing the AV data
reproduction instruction which performs decryption and decompression of
the encrypted compressed AV data inseparably by useing the decryption
unit 59 and IDCT unit 58.
ABSTRACT WORD COUNT: 76
NOTE:
  Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Change: 000830 A2 International Patent Classification changed:
                          20000711
  Application: 970910 A2 Published application (A1with Search Report
                    ;A2without Search Report)

```
Assignee:            040204 A2 Transfer of rights to new applicant: MATSUSHITA
                                ELECTRIC INDUSTRIAL CO., LTD. (1855503) 1006,
                                Oaza Kadoma Kadoma-shi, Osaka 571 JP
Examination:         001129 A2 Date of request for examination: 20001003
Search Report:       000830 A3 Separate publication of the search report
Examination:         030618 A2 Date of dispatch of the first examination
                                report: 20030430
```

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

```
Available Text  Language   Update     Word Count
      CLAIMS A  (English)  9709W1       1662
      SPEC A    (English)  9709W1      18794
Total word count - document A          20456
Total word count - document B              0
Total word count - documents A + B     20456
```

...SPECIFICATION issued during an execution of the "play(underscore)av"
   instruction. ·
     In the present embodiment, disk **reproduction** drive 35 **encrypts** a
   piece of **digital** **data** , namely, a piece of AV data to be transferred,
   then outputs the **encrypted** digital data to control unit 37. Control
   unit 37 **decrypts** and decodes the digital data with the MPEG decoding.
   ·As a result, system routine PLAY...
?t31/5,k/24,26-33

31/5,K/24   (Item 24 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01101351   **Image available**
CONTENT DISTRIBUTION FOR MULTIPLE DIGITAL RIGHTS MANAGEMENT
DISTRIBUTION DE CONTENU POUR GESTIONS DE DROITS NUMERIQUES MULTIPLES
Patent Applicant/Assignee:
  SONY ELECTRONICS INC, 1 Sony Drive, Park Ridge, NJ 07656, US, US
     (Residence), US (Nationality)
Inventor(s):
  CANDELORE Brant L, 10124 Quail Glen Way, Escondido, CA 92029-6502, US,
Legal Representative:
  KANANEN Ronald P (et al) (agent), RADER FISHMAN & GRAUER PLLC, 1233 20th
     Street, NW, Suite 501, Washington, DC 20036, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200423717 A2 20040318 (WO 0423717)
  Application: WO 2003US27774 20030908   (PCT/WO US03027774)
  Priority Application: US 2002409675 20020909
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
  KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH
  PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA
  ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L-009/32
International Patent Class: H04L-009/28; H04N-007/167; H04K-001/00
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 6779
```

English Abstract
  A method and apparatus for enabling use of multiple digital rights
  management scenarios (DRM). **Unencrypted** data representing **digital**
  **content** is examined to identify at least segments of content for
  **encryption** . The identified **segments** of content are **duplicated** and

then **encrypted** using a first **encryption** method associated with a
first DRM to produce first **encrypted** segments. Duplicates are
**encrypted** using a second **encryption** method associated with a second
DRM to produce second encrypted segments. A set of pointers are generated
that point to the first and second encrypted segments content. A file is
then created containing first and second encrypted segments of content,
pointers and unencrypted content along with DRM rights data to produce a
selectively encrypted multiple DRM enabled file.

French Abstract
    La presente invention concerne un procede et un appareil permettant
    d'utiliser des scenarii de gestion de droits numeriques. Des donnees non
    cryptees representant un contenu numerique sont examinees de facon a
    identifier au moins des segments de contenu en vue d'un cryptage. Les
    segments identifies du contenu sont dupliques puis cryptes par un premier
    procede de cryptage associe a une premiere gestion de droits numeriques
    de facon a produire des premiers segments cryptes. Des duplicata sont
    cryptes par un second procede de cryptage associe a une seconde gestion
    de droits numeriques de facon a produire des seconds segments cryptes. Un
    ensemble de pointeurs sont generes et ceux-ci pointent vers le contenu
    des premiers et des seconds segments de cryptage. Puis un fichier est
    cree, contenant des premiers et des seconds segments cryptes de contenu,
    des pointeurs et un contenu non crypte ainsi que des donnees de droits de
    gestion de droits numeriques de facon a produire un fichier actif
    selectivement crypte de gestion de droits numeriques multiples
Legal Status (Type, Date, Text)
Publication  20040318 A2 Without international search report and to be
                         republished upon receipt of that report.

English Abstract
    A method and apparatus for enabling use of multiple digital rights
    management scenarios (DRM). **Unencrypted** data representing **digital
    content** is examined to identify at least segments of content for
    **encryption** . The identified **segments** of content are **duplicated** and
    then **encrypted** using a first **encryption** method associated with a
    first DRM to produce first **encrypted** segments. Duplicates are
    **encrypted** using a second **encryption** method associated with a second
    DRM to produce second encrypted segments. A set of pointers...

 **31/5,K/26      (Item 26 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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01031185     **Image available**
**A  SYSTEM  AND  METHOD  FOR  SECURE  DISTRIBUTION  AND  EVALUATION  OF  COMPRESSED
    DIGITAL INFORMATION**
**SYSTEME    ET    PROCEDE    DE    DISTRIBUTION    ET    D'EVALUATION    D'INFORMATIONS
    NUMERIQUES COMPRIMEES**
Patent Applicant/Assignee:
  INTERNATIONAL BUSINESS MACHINES CORPORATION, Old Orchard Road, Armonk, NY
   10504, US, US (Residence), US (Nationality)
Inventor(s):
  FETKOVICH John E, 427 River Terrace, Apt. F-3, Endicott, New York 13760,
    US,
Legal Representative:
  NEFF Daryl K (agent), International Business Machines Corporation, Dept.
    18G/Bldg. 300-482, 2070 Route 52, Hopewell Junction, NY 12533-6531, US,

Patent and Priority Information (Country, Number, Date):
  Patent:             WO 200361287 A1 20030724 (WO 0361287)
  Application:        WO 2002US38354 20021126  (PCT/WO US0238354)
  Priority Application: US 200243369 20020109
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
  RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04N-007/167
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 9547

English Abstract
  A method for controlling access to digital information is performed based
  on a plurality of decryption keys sent by the information provider. A
  first type of decryption key instructs (406, 410) a user's host system to
  reproduce the digital information in accordance with a first level of
  reproduction quality degradation. Additional keys may specify other
  degradation levels. The quality of the digital information may be
  degraded (314, 406, 410) based on a time condition or a use condition.
  Alternatively, only a portion of the information may be made viewable by
  a user.  In order to obtain full and unrestricted access, the user must
  obtain a type (310) of decryption key from the provider which removes all
  previous limitations on reproduction quality degradation. Preferably, the
  digital information is sent with a media player application program
  embedded with an initial decryption key. The program may include
  tamper-resistant features which provide a safeguard against hackers or
  other forms of unauthorized access. A business method uses a pricing
  structure which makes the decryption keys available for different prices.

French Abstract
  L'invention concerne un procede de commande d'acces a des informations
  numeriques, mis en oeuvre a l'aide d'une pluralite de cles de chiffrement
  envoyees par le fournisseur d'information. Un premier type de cle de
  chiffrement donne la consigne (406, 410) au systeme hote d'un utilisateur
  de reproduire les informations numeriques selon un premier niveau de
  degradation de la qualite de reproduction. Des cles supplementaires
  peuvent specifier d'autres niveaux de degradation. La qualite des
  informations numeriques peut se degrader (314, 406, 410) en raison d'une
  condition temporelle ou d'une condition d'utilisation. En variante, une
  partie des informations seulement peut etre visualisee par l'utilisateur.
  Afin d'obtenir un acces complet et sans restrictions, l'utilisateur doit
  obtenir un type (310) de cle de dechiffrement du fournisseur annulant
  toutes les limitations anterieures sur la degradation de la qualite de
  reproduction. Les informations sont, de preference, envoyees avec un
  programme d'application a lecteur de contenu multimedia integre dans une
  cle de chiffrement initiale. Le programme peut comprendre des
  caracteristiques d'inviolabilite constituant une protection contre les
  pirates informatiques ou d'autres formes d'acces non autorise.
  L'invention concerne egalement un procede commercial dans lequel est
  utilisee une structure de tarification grace a laquelle les cles de
  chiffrement sont disponibles a differents prix.

Legal Status (Type, Date, Text)
Publication   20030724 A1 With international search report.
Examination    20031009 Request for preliminary examination prior to end of
                        19th month from priority date

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
...  be controlled by a time condition or a use condition (314). In
  addition, or alternatively, **reproduction** may be limited to only a
  **portion** of the **digital** **information** sought by the user. To control
  **reproduction** quality in this manner, the media player application
  preferably accesses a table of information which correlates each of the
  types

3
of **decryption** keys with a certain reproduction quality. For example, a
first type

Claim
... predetermined number of times.

  23 The method of claim 1 further comprising:
  storing a first **decryption** key on the host system, wherein said
  application program is stored on the host system and is controlled by
  said first **decryption** key to **reproduce** only a **portion** of the
  **digital information** .

  24 The method of claim 23, further comprising:
  storing a second **decryption** key on the host system,
  wherein said application program reproduces the digital information a
  second...


  **31/5,K/27      (Item 27 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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01013038    **Image available**
**SYSTEM AND METHOD FOR CONTROLLING THE USE AND DUPLICATION OF DIGITAL
    CONTENT DISTRIBUTED ON REMOVABLE MEDIA**
**SYSTEME ET PROCEDE PERMETTANT DE CONTROLER L'UTILISATION ET LA COPIE D'UN
    CONTENU NUMERIQUE DIFFUSE SUR UN SUPPORT D'INFORMATION AMOVIBLE**
Patent Applicant/Assignee:
  SONY CORPORATION, **, JP, JP (Residence), JP (Nationality), (For all
    designated states except: US)
  SONY MUSIC INC, **, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  HUGHES David, New York, NY, US, US (Residence), US (Nationality),
    (Designated only for: US)
Legal Representative:
  FLOCK John (et al) (agent), Kenyon & Kenyon, One Broadway, New York, NY
    10004-1050, US,
Patent and Priority Information (Country, Number, Date):
  Patent:              WO 200342988 A1 20030522 (WO 0342988)
  Application:         WO 2002US36970 20021115  (PCT/WO US0236970)
  Priority Application: US 2001335112 20011115
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
  RU SC SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G11B-007/007
International Patent Class: H04L-009/00; H04N-007/10; H04N-007/16;
  H04N-007/167; H04N-017/00
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 4589

English Abstract
  Systems and methods for controlling the use and duplication of digital
  content distributed on removable media are described. In accordance with
  embodiments of the present invention digital content is protected by
  allowing a particular number of protected (e.g., encrypted) copies of the
  digital content to be made (202, 203). Typically, these copies may only
  be used on and moved between authorized devices (204, 205, 206). In one

embodiment, if copies are desired, the maximum number of allowable copies of the protected digital content are made and stored on a computer's hard drive when the storage medium (e.g., a CD) containing the content is inserted into the computer (201, 202, 203). Each copy can then be moved but not copied to other devices (e.g., portable solid state devices) (204, 205, 206). In an alternative embodiment, the storage medium containing the digital content is writable (e.g., a CD-R). When the storage medium is inserted into the computer, the computer writes information to the storage medium which regulates future copying and playing of the digital content on the storage medium (404).

French Abstract
L'invention concerne des systemes et des procedes permettant de controler l'utilisation et la copie d'un contenu numerique diffuse sur un support d'information amovible. Dans certains modes de realisation de la presente invention, le contenu numerique est protege selon une technique consistant a limiter le nombre de copies protegees (codees, par exemple) possibles (202, 203) du contenu numerique. En general, ces copies peuvent uniquement etre utilisees sur des dispositifs autorises (204, 205, 206) ou transferees entre ces derniers. Dans un mode de realisation, si l'on souhaite faire des copies d'un contenu numerique protege, le systeme fait un nombre predetermine de copies qu'il stocke sur le disque dur d'un ordinateur, lorsque le support d'enregistrement (un CD, par exemple) sur lequel figure le contenu numerique est introduit dans l'ordinateur (201, 202, 203). Chaque copie peut ensuite etre utilisee sur d'autres dispositifs (des transistors portatifs, par exemple) (204, 205, 206), mais ne peut pas etre a nouveau copiee sur ces autres dispositifs. Dans un autre mode de realisation, le support d'enregistrement contenant le contenu numerique est inscriptible (un CD-R, par exemple). Lorsque le support d'enregistrement est introduit dans l'ordinateur, ce dernier ecrit des informations sur le support d'enregistrement qui vont servir a controler la copie ulterieure et la lecture du contenu numerique sur le support d'enregistrement (404).

Legal Status (Type, Date, Text)
Publication    20030522 A1 With international search report.
Publication    20030522 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination    20030724 Request for preliminary examination prior to end of 19th month from priority date
Fulltext Availability:
  Claims

Claim
...  The digital storage medium of  claim 2 wherein the protected version of the plurality of **segments** of **digital    content    data** are **encrypted** , compressed **copies**  of the Redb6ok audio tracks.

  5 The digital storage medium of claim 4, further comprising...


 **31/5,K/28**      **(Item 28 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00907098     **Image available**
**IMPROVEMENTS RELATING TO DIGITAL DATA DISTRIBUTION**
**AMELIORATIONS APPORTEES A LA DISTRIBUTION DE DONNEES NUMERIQUES**
Patent Applicant/Inventor:
  SHAW Robert, 58 Harvard Road, London W4 4ED, GB, GB (Residence), GB (Nationality)
  FELSTEAD Derek, 49 Bradmore Park Road, London W6 0DT, GB, GB (Residence), GB (Nationality)
Legal Representative:
  AHMAD Sheikh Shakeel (et al) (agent), David Keltie Associates, 12 New Fetter Lane, London EC4A 1AG, GB,
Patent and Priority Information (Country, Number, Date):

English Abstract
  A method of and a system for providing a content buyer with Audio Visual
  (AV) data for use in a web site is described. The method comprises:
  receiving an on-line request specifying AV data desired by the content
  buyer; and matching the requested AV data with stored descriptive details
  in a catalogue of accessible AV data but which is stored at one or more
  remote content owner location. The method further comprises transmitting
  a broker request to at least one of the one or more content owner
  locations that has AV data matching that specified in the request; and on
  payment forwarding the specified AV data, received from a corresponding
  content owner location, to the content buyer for use in their web site.
French Abstract
  L'invention concerne un procede et un systeme permettant de fournir a un
  acheteur de contenu, des donnees audiovisuelles destinees a etre
  utilisees sur un site web. Le procede consiste : a recevoir une demande
  en ligne specifiant les donnees audiovisuelles desirees par l'acheteur de
  contenu ; a associer les donnees audiovisuelles demandees avec des
  details descriptifs stockes dans un catalogue de donnees audiovisuelles
  accessibles, lesdites donnees etant stockees dans un ou plusieurs
  emplacements de proprietaires de contenu eloignes. Le procede consiste
  egalement a transmettre une demande de courtier a au moins un des
  emplacements de proprietaires de contenu eloignes possedant des donnees
  audiovisuelles correspondant a celles specifiees dans la demande ; et a
  envoyer, des que le paiement est effectue, les donnees audiovisuelles
  specifiees, recues de l'emplacement de proprietaire de contenu eloigne
  correspondant, a l'acheteur de contenu, ledit contenu etant destine a
  etre utilise sur le site web dudit acheteur.

Detailed Description
... owner communications module 116 (see step 73 in Figure 2). The
  high-resolution forms are **unencrypted** and decompressed as necessary and
  stored in the temporary data store 124. The brokering processing engine I
  1 8 then takes a **copy** of each **piece** of **digital content** received
  and forwards it to the low-resolution module 132, which reduces the
  resolution of...

**31/5,K/29    (Item 29 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00891492    **Image available**
**OPTICAL DISC AND A REPRODUCTION METHOD, REPRODUCTION APPARATUS, AND RECORDING APPARATUS FOR THE SAME**
**DISQUE OPTIQUE ET PROCEDE DE REPRODUCTION, APPAREIL DE REPRODUCTION, ET APPAREIL D'ENREGISTREMENT ASSOCIE**
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Patent and Priority Information (Country, Number, Date):
  Patent:             WO 200225645 A2-A3 20020328 (WO 0225645)
  Application:        WO 2001JP8267 20010921  (PCT/WO JP0108267)
  Priority Application: JP 2000288346 20000922; JP 2000292034 20000926; JP 2000323676 20001024
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G11B-007/013
International Patent Class: G11B-020/00
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 29044

English Abstract
  An optical disk, and a method and apparatus for reproducing and/or recording data to the disk are provided for preventing illegal copying of authorized disks recording copyrighted digital content. The optical disk 10 has a control area 12 for storing control data, a data area 14 for storing main digital data (content), and an identification area 13 for storing sub-digital data specific to the main digital data. The sub-digital data is recorded as a pit sequence (R1, R3, R5) at a locally phase modulated clock timing. When disk identification data is recorded as the sub-digital data, key information stored to the reproduction apparatus is compared with identification data (sub-digital data) detected from jitter fluctuations in the identification area 13 when content is reproduced from the optical disk 10. If a specific correlation

is thus confirmed, the disk is recognized as a legally copied disk and reproduction is enabled. Illegal copies can thus be prevented.

French Abstract

L'invention concerne un disque optique, ainsi qu'un procede et un appareil permettant de reproduire et/ou d'enregistrer des donnees sur ledit disque de maniere a empecher la copie illegale de disques autorises enregistrant un contenu numerique protege. Le disque optique comporte une zone de controle (12) stockant des donnees de controle, une zone de donnees (14) stockant les donnees numeriques principales (le contenu) et une zone d'identification (13) stockant des donnees sous-numeriques specifiques aux donnees numeriques principales. Les donnees sous-numeriques sont enregistrees comme sequence a depression (R1, R3, R5) selon une synchronisation d'horloge a modulation de phase locale. Lorsque les donnees d'identification de disque sont enregistrees comme donnees sous-numeriques, les informations cle, stockees dans l'appareil de reproduction, sont comparees aux donnees d'identification (donnees sous-numeriques) detectees a partir de fluctuations de gigue dans la zone d'identification (13) lorsque le contenu est reproduit a partir du disque optique (10). Si une correlation particuliere est ainsi confirmee, le disque est reconnu comme etant un disque legalement copie et la reproduction est activee, ce qui permet d'empecher des copies illegales.

Legal Status (Type, Date, Text)
Publication   20020328 A2 Without international search report and to be
                          republished upon receipt of that report.
Examination   20020822 Request for preliminary examination prior to end of
                          19th month from priority date
Search Rpt    20021128 Late publication of international search report
Republication 20021128 A3 With international search report.
Republication 20021128 A3 Before the expiration of the time limit for
                          amending the claims and to be republished in the
                          event of the receipt of amendments.

Fulltext Availability:
  Claims

Claim
...  from a channel signal corresponding to a series of
  the detected recording marks; and
  a **decrypting** section for decoding the **encrypted** main
   **digital  data** based on the sub- **digital  data** extracted by the
  extracting
   **section** .

  45 The **reproducing** apparatus according to claim 44, wherein
  the sub- **digital  data** extracting section coirprises a clock extracting
  section for extracting a synchronized channel bit clock from...


 **31/5,K/30      (Item 30 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00869114    **Image available**
**SYSTEM AND METHOD FOR ENCRYPTING, DISTRIBUTING AND VIEWING ELECTRONIC
    DOCUMENTS**
**SYSTEME ET PROCEDE DE CHIFFREMENT, DE DISTRIBUTION ET DE VISUALISATION DE
    DOCUMENTS ELECTRONIQUES**
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  MAGGIOTTO Richard, 2501 Gough Street, Apt. 2, San Francisco, CA 94123, US

English Abstract
  The invention relates to systems and methods for distributing and viewing
  electronic documents. In one embodiment, the invention provides a system
  for distributing electronic versions of printed documents comprising a
  memory device and a distribution system. The memory device stores at
  least one electronic document file (58) that is based at least in part on
  a source electronic document provided by the content provider, wherein
  the source electronic document is an electronic version of a printed
  document. The distribution system is programmed for responding to
  requests from a client (78) for delivery of an electronic document file,
  retrieving a copy of, and assigning at least one right to the requested
  electronic document file, the right defining the scope of at least one
  action capable of being performed on at least a portion of said file,
  encrypting the copy of the electronic document file with a key based at a
  least in part on the identity of the client and on the at least one right
  (60), and providing the copy of the electronic document file, with the
  associated key, to the client. (78).

French Abstract
  L'invention concerne des systemes et des procedes de distribution et de
  visualisation de documents electroniques. Dans une forme de realisation,
  l'invention concerne un systeme de distribution de versions electroniques
  de documents imprimes, qui comprend un dispositif de memoire et un
  systeme de distribution. Le dispositif de memoire stocke au moins un
  fichier (58) de document electronique base au moins partiellement sur un
  document electronique source fourni par le fournisseur de contenu, ce
  document electronique source etant une version electronique d'un document
  imprime. Le systeme de distribution est programme pour repondre a des
  demandes provenant d'un client (78) concernant la remise d'un fichier de
  document electronique ; recuperer une copie du fichier de document
  electronique demande et lui attribuer au moins un droit, ce droit
  definissant l'etendue d'au moins une action pouvant etre mise en oeuvre
  sur au moins une partie du fichier ; chiffrer la copie du fichier de
  document electronique a l'aide d'une cle basee au moins partiellement sur
  l'identite du client et sur le(s) droit(s) (60) ; et fournir au client
  (78) la copie du fichier de document electronique et la cle associee.

Legal Status (Type, Date, Text)
Publication   20020110 A1 With international search report.
Correction    20030130 Corrected version of Pamphlet: pages 1/21-21/21,
                       drawings, replaced by new pages 1/21-21/21; due to
                       late transmittal by the receiving Office
Republication 20030130 A1 With international search report.
Examination   20030522 Request for preliminary examination prior to end of

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
... the scope of at least one action capable of being performed on at
  least a **portion** of the **copy** of the **electronic** document **file** ,
  **encrypting** the copy of the **electronic** document **file** with a key based
  at least in part on the identity of the elient and...

...The right defines at least one action capable of being performed on at
  least a **portion** of the **copy** of the **electronic** document **file** . The
  means for distributing the **electronic** document **file** is in
  communication with the means for **encrypting** and provides a copy of the
  **encrypted** electronic document file and the key to the client requesting
  a copy of the electronic...

Claim
... defining the at least one action capable of being performed on at
  least a
  5 **portion** of the **copy** of the **electronic** document **file** ;
   **encrypting** the copy of the **electronic** document **file** with a key
  based at least in
  part on the identity of the client and on the at least one right; and
  providing the **encrypted** copy of the electronic document file, with the
  associated key, to the client.

  2 The...


 **31/5,K/31      (Item 31 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00852775     **Image available**
**CONTROLLED DISTRIBUTING OF DIGITAL INFORMATION, IN PARTICULAR AUDIO**
**MAITRISE DE LA DISTRIBUTION D'INFORMATION NUMERIQUE, EN PARTICULIER AUDIO**
Patent Applicant/Assignee:
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    Eindhoven, NL, NL (Residence), NL (Nationality)
Inventor(s):
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  LOKHOFF Gerardus C P, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Legal Representative:
  RIEM Charles H (agent), Internationaal Octrooibureau B.V., Prof.
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Patent and Priority Information (Country, Number, Date):
  Patent:              WO 200186387 A1 20011115 (WO 0186387)
  Application:         WO 2001EP4504 20010420  (PCT/WO EP0104504)
  Priority Application: EP 2000201663 20000510
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
  SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-001/00
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 5071

English Abstract

Distribution of digital information, in particular audio, is controlled
as follows. An information carrier (11) like a CD is distributed which
has at least part of the digital information encrypted using an
encryption key. A decryption key corresponding to the encryption key is
also distributed to the user, e.g. on a reserved area of the CD. The user
(32) reproduces the audio on a player (31), which decrypts the
information using the key. However, at least part of the information is
only reproduced after a Personalized Access Code PAC (40) is received by
the player. The PAC is generated at a remote access center (33), e.g. an
internet site. A database (34) connected the center and a player memory
hold a player identifier and secret player key. The user transmits the
player identifier and an information identifier identifying the CD to the
access center, and the access center calculates the PAC using the
identifier and the secret player key. The PAC is transmitted to the
player which verifies the PAC using its own secret player key, and
enables the reproduction of PAC protected parts of the information.

French Abstract

Selon l'invention, la distribution d'information numerique, en
particulier audio, est maitrisee comme suit. On distribue un support
d'information (11), tel qu'un CD, dont au moins une partie de
l'information numerique est codee a l'aide d'une cle de codage. On
distribue aussi a l'utilisateur une cle de decodage correspondant a la
cle de codage, par exemple sur une zone reservee du CD. L'utilisateur
(32) peu reproduire la partie audio sur un lecteur (31) qui decode
l'information en utilisant la cle. Cependant, au moins une partie de
l'information n'est reproduite qu'apres reception par le lecteur d'un
code d'acces personnel (CAP) (40). Le CAP est genere a un centre d'acces
distant (33), par exemple, un site Internet. Une base de donnees (34)
connectee au centre et une memoire de lecteur contiennent un
identificateur de lecteur et une cle secrete de lecteur. L'utilisateur
envoie au centre d'acces l'identificateur de lecteur et un identificateur
d'information identifiant le CD, puis le centre d'acces calcule le CAP en
utilisant l'identificateur et la cle secrete du lecteur. Le CAP est
envoye au lecteur qui verifie ce CAP en utilisant sa propre cle secrete
de lecteur, ce qui autorise la reproduction des parties d'information
protegees par le CAP.

Legal Status (Type, Date, Text)
Publication   20011115 A1 With international search report.
Publication   20011115 A1 Before the expiration of the time limit for
                         amending the claims and to be republished in the
                         event of the receipt of amendments.
Publication   20011115 A1 Published entirely in electronic form (except the
                         front page) and available upon request from the
                         International Bureau.

Fulltext Availability:
   Detailed Description

Detailed Description
...   digital information, e.g. audio or video in a predefined forinat such
     as MP3 audio. **Part** of this **digital   information** may be directly
     **reproducible** by a rendering device, e.g. an MP3 audio player. At least
     part of the information is **encrypted** using some **encryption** key, and a
     corresponding **decryption** key must be used for decrypting the
     information. The decryption key must be transferred to...


**31/5,K/32       (Item 32 from file: 349)**

00815103     **Image available**
**PROVIDING  AUTHORIZATION  TO  MAKE  COPIES  OF COPYRIGHT PROTECTED PRODUCTS
   PURCHASED ONLINE
PROCEDE  POUR  DONNER AUTORISATION DE FAIRE DES COPIES DE PRODUITS COUVERTS**

**PAR LES DROITS D'AUTEUR ET ACHETES EN LIGNE**

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    US,
Patent and Priority Information (Country, Number, Date):
  Patent:                WO 200148657 A1 20010705 (WO 0148657)
  Application:           WO 2000US34703 20001220  (PCT/WO US0034703)
  Priority Application: US 99474823 19991229
Designated States: AE AG AL AM AU AZ BA BB BG BR BY BZ CA CN CR CU CZ DM DZ
  EE GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
  MA MD MG MK MN MW MX MZ NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT TZ UA
  UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 4048

English Abstract
  A method for selling a digital content product in an online commercial
  transaction including the steps of encoding the digital content product;
  creating a digital file (180) including a header (202) having first
  information (204) about the digital content product and at least one
  corporate rate associated with authorization to make a predetermined
  number of copies of the digital content product upon purchase by a buyer,
  and the encoded digital content product (206); storing, as a product for
  sale, the digital file at a host computer (110, 112); providing access to
  the host computer by a buyer computer (102, 104) so that the buyer
  computer has access to the digital file and downloading the digital file
  to the buyer computer; displaying at least some of the first information
  together with the at least one corporate rate in a dialogue box at the
  buyer computer; subsequent to selection by the buyer via the buyer
  computer of the at least one corporate rate, establishing communication
  between the buyer computer and a broker computer (132) so that the broker
  computer accounts for cost associated with the at least one corporate
  rate and authorizes the purchase by the buyer of the predetermined number
  of copies of the digital content product by sending a product key to the
  buyer computer for use in decrypting the encrypted digital content
  product.

French Abstract
  L'invention concerne un procede pour vendre un produit a contenu
  numerique lors d'une transaction commerciale effectuee en ligne,
  comprenant les etapes suivantes : coder le produit a contenu numerique;
  creer un fichier (180) numerique dote d'une en-tete (202) donnant une
  premiere information (204) sur le produit a contenu numerique et au moins
  un tarif concernant l'autorisation de faire un nombre determine de copies
  du produit a contenu numerique, suite a l'achat effectue par un client,
  et du produit a contenu numerique sous forme de code (206); stocker, en
  tant que produit a vendre, le fichier numerique sur un ordinateur
  principal (110, 112); fournir l'acces vers l'ordinateur principal a
  l'ordinateur d'un client (102, 104), de telle sorte que l'ordinateur du
  client a acces au fichier numerique et telecharger le fichier numerique
  sur l'ordinateur du client; afficher au moins en partie la premiere
  information ainsi qu'au moins un tarif dans une boite de dialogue sur
  l'ordinateur du client; une fois que le client a selectionne au moins un
  tarif via son ordinateur, etablir une communication entre l'ordinateur du
  client et l'ordinateur d'un courtier (132), de telle sorte que

l'ordinateur du courtier comptabilise les couts associes au tarif pris en compte et autorise l'achat par le client du nombre determine de copies du produit a contenu numerique en envoyant a l'ordinateur du client une cle du produit destinee au decryptage du produit a contenu numerique code.

Legal Status (Type, Date, Text)
Publication   20010705 A1 With international search report.
Publication   20010705 A1 Before the expiration of the time limit for
                          amending the claims and to be republished in the
                          event of the receipt of amendments.
Examination   20011011 Request for preliminary examination prior to end of
                          19th month from priority date

Fulltext Availability:
  Detailed Description

Detailed Description
... product preview icon 216 the plug-in 178 provides the browser 176 with
    an actual **copied portion** of the **unencrypted digital content**
    which is displayed in a separate window. The browser 176, based on the
    preview MIME...


**31/5,K/33      (Item 33 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00807545     **Image available**
**COPYRIGHT PROTECTION SYSTEM**
**SYSTEME DE PROTECTION DU DROIT D'AUTEUR**
Patent Applicant/Assignee:
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    5RE, GB, GB (Residence), GB (Nationality), (For all designated states
    except: US)
Patent Applicant/Inventor:
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Legal Representative:
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    Street, London SW1H 0RJ, GB,
Patent and Priority Information (Country, Number, Date):
  Patent:                WO 200141138 A2-A3 20010607 (WO 0141138)
  Application:           WO 2000GB4616 20001201  (PCT/WO GB0004616)
  Priority Application: GB 9928558 19991202
Designated States: CA JP US
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: G11B-020/00
International Patent Class: G11B-020/10; G06F-001/00; G06F-012/14
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 7228

English Abstract
  One embodiment of the invention relates to a digital data signal
  comprising: a first data set of source data (1) and control data (2),
  said source data being modified in accordance with said control data to
  generate an intermediate set (3) of modified data when said data signal
  is copied by equipment adapted to read data on a block by block basis;
  and a second data set (4) associated with said first data set, said
  second data set being provided to enable modifications made, or
  modifications that otherwise would be made to said first data set to
  generate said intermediate data set upon copying of said signal by said
  equipment, to be at least substantially negated. Other embodiments of the
  invention relate to a carrier having a data signal recorded thereon, to a
  method of generating such a data signal, to a method of copying such a

signal, to a computer program, to data copying apparatus and to a data transfer system.

French Abstract
Un mode de realisation de l'invention concerne un signal de donnees numeriques comprenant: un premier ensemble de donnees de donnees sources (1) et de donnees sources (2), lesdites donnees sources etant modifiees conformement auxdites donnees de controle pour produire un ensemble intermediaire (3) de donnees modifiees lorsque ledit signal de donnees est copie par un appareil capable de lire les donnees sur une base bloc par bloc; et un second ensemble de donnees (4) associe audit premier ensemble de donnees, ledit second ensemble de donnees comprenant des modifications autorisees realisees, ou des modifications qui seraient autrement realisees sur ledit premier ensemble de donnees pour produire ledit ensemble de donnees intermediaire lors du copiage dudit signal par l'intermediaire dudit appareil, devant etre au moins sensiblement annulees. D'autres modes de realisation de l'invention concernent un support sur lequel est enregistre un signal de donnees, un procede servant a produire un tel signal, un procede servant a copier un tel signal, un programme informatique, un dispositif de copiage de donnees, et un systeme de transfert de donnees.

Legal Status (Type, Date, Text)
Publication   20010607 A2 Without international search report and to be
                          republished upon receipt of that report.
Examination   20011018 Request for preliminary examination prior to end of
                       19th month from priority date
Search Rpt    20011108 Late publication of international search report
Republication 20011108 A3 With international search report.

Fulltext Availability:
  Claims

Claim
... any preceding claim, wherein said
  source data comprises audio and/or video data.

  7 A **digital   data** signal according to any preceding claim, wherein the
  second data set comprises an **encrypted   copy** of at least **part** of
  said source data.

  8 A **digital   data** signal according to any preceding claim, wherein the
  second data set comprises an **encrypted** and possibly compressed copy of
  the whole of said source data.

  9 A data carrier...

| Set | Items | Description |
|-----|-------|-------------|
| S1 | 99067 | (DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYBER OR ONLINE OR VIRTUAL OR LINE)(1W)(CONTENT? ? OR ASSET? ? OR DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES OR OBJECT? ? OR RECORD? ?) |
| S2 | 8 | EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ? |
| S3 | 1390 | (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)(2W)S1:S2 |
| S4 | 828 | (PART OR PARTS)(2W)S1:S2 |
| S5 | 609646 | DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ? |
| S6 | 20947 | ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR UNCRYPT? OR UNCYPHER? OR UNCIPHER? |
| S7 | 20947 | ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR UNCRYPT? OR UNCYPHER? OR UNCIPHER? |
| S8 | 2998 | DESCRAMBL? OR UNSCRAMBL? |
| S9 | 7610 | SCRAMBL? |
| S10 | 363226 | CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD? OR UNCOD???? ? |
| S11 | 4461 | WATERMARK? OR WATER()(MARK OR MARKS OR MARKED OR MARKING? ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO()(GRAPH???? ? OR GRAM? ?) |
| S12 | 14625 | S5(3N)(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?) |
| S13 | 15195 | S5(3N)(PART OR PARTS) |
| S14 | 87 | S3:S4(10N)S5 |
| S15 | 263 | S12:S13(15N)S1:S2 |
| S16 | 77 | S14:S15 AND S7:S10 |
| S17 | 11 | S14:S15 AND S7:S9 |
| S18 | 32092 | IC='H04L-009' |
| S19 | 10810 | IC='G09C-001' |
| S20 | 3012 | IC='H04N-001/44':IC='H04N-001/444' |
| S21 | 8724 | MC='T01-J12C' |
| S22 | 5960 | MC='T01-H01C2' |
| S23 | 12 | S14:S15 AND S18:S20 |
| S24 | 2 | S14 AND S11 |
| S25 | 3 | S16 AND S11 |
| S26 | 6 | S15 AND S11 |
| S27 | 15 | S14:S15 AND S18:S22 |
| S28 | 24 | S17 OR S23:S27 |
| S29 | 24 | IDPAT (sorted in duplicate/non-duplicate order) |
| S30 | 23 | IDPAT (primary/non-duplicate records only) |

**30/9/3      (Item 3 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004  Thomson Derwent. All rts. reserv.

015137711    **Image available**
WPI Acc No: 2003-198237/200319
XRPX Acc No: N03-157503
  **Digital content encryption method in video/audio on demand system,
  involves** duplicating **selected** segments **of** digital    content **and
  encrypting** duplicated    copies **of content, with different** encryption
  **keys**
Patent Assignee: VIDIUS INC (VIDI-N)
Inventor: CARNY O; TROYANSKY L
Number of Countries: 001  Number of Patents: 001
Patent Family:

```
Patent No      Kind    Date      Applicat No    Kind    Date      Week
US 20020150239  A1     20021017  US 2001283949   P      20010417  200319   B
                                 US 2002122309   A      20020416
```

Priority Applications (No Type Date): US 2001283949 P 20010417; US
  2002122309 A 20020416
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20020150239 A1   14 H04L-009/00   Provisional application US 2001283949
Abstract (Basic): US 20020150239 A1
        NOVELTY - A **segment** of a **digital**   **content** is selected and
    duplicated for creating several **copies** of the **segment** . The **copies**
    of the **segment** , are **encrypted** using different **encryption** keys.
        DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for digital
    content **encryption** system.
        USE - For real-time personalized **encryption** of digital content
    such as video content, audio content, e-book, document, software,
    slideshow, interactive content and executable code for use in real-time
    content distribution system e.g. video/audio on demand system operating
    over Internet.
        ADVANTAGE - Saves computational resources and **encrypts** the
    digital content efficiently.
        DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of digital
    content **encryption** method.
        pp; 14 DwgNo 5/6
Technology Focus:
        TECHNOLOGY FOCUS - INDUSTRIAL STANDARDS - The digital content is
    encrypted in MPEG compliant format.
Title Terms: DIGITAL; CONTENT; **ENCRYPTION** ; METHOD; VIDEO; AUDIO; DEMAND;
  SYSTEM; DUPLICATE; SELECT; SEGMENT; DIGITAL; CONTENT; DUPLICATE; COPY;
  CONTENT; **ENCRYPTION** ; KEY
Derwent Class: T01; W01; W02; W04
International Patent Class (Main): **H04L-009/00**
File Segment: EPI
Manual Codes (EPI/S-X): T01-D01; T01-N01D1; W01-A05A; W02-F10A1; W02-F10N1;
  W04-P01A4

 30/9/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014418703   **Image available**
WPI Acc No: 2002-239406/200229
XRPX Acc No: N02-184583
  **Video segment production method for simulating real time transmission of
  video image, involves appending copy of header to predefined** portion
  which is copied **from the** digital **video** file
Patent Assignee: THORN M (THOR-I)
Inventor: MAXWELL G; THORN M
Number of Countries: 094 Number of Patents: 002
Patent Family:
```
Patent No      Kind    Date      Applicat No    Kind    Date      Week
WO 200152263    A1     20010719  WO 2001AU37     A      20010115  200229   B
AU 200126551    A      20010724  AU 200126551    A      20010115  200229
```

Priority Applications (No Type Date): AU 20005252 A 20000114
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200152263 A1 E   19 G11B-027/022
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200126551 A   G11B-027/022 Based on patent WO 200152263

Abstract (Basic): WO 200152263 A1
        NOVELTY - The header of a **digital** video **file** (61) is identified
    and stored. A predefined portion is identified within the file and
    copied . A video **segment** (60) is produced by appending a copy of the
    header to the copied portion.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) Method of serving digital video files;
        (b) Method of using a computer to view digital video files
        USE - For simulating real time transmission of video stream in
    client-server network.
        ADVANTAGE - Allows user to access portion of video stream without
    compromising the copyright associated with the video stream.
        DESCRIPTION OF DRAWING(S) - The figure shows the flowchart
    illustrating the steps carried out by the server program.
        Video segment (60)
        Digital video file (61)
        pp; 19 DwgNo 2/4
Title Terms: VIDEO; SEGMENT; PRODUCE; METHOD; SIMULATE; REAL; TIME;
    TRANSMISSION; VIDEO; IMAGE; COPY; HEADER; PREDEFINED; PORTION; COPY;
    DIGITAL; VIDEO; FILE
Derwent Class: T01; W01; W02
International Patent Class (Main): G11B-027/022
File Segment: EPI
Manual Codes (EPI/S-X): **T01-H01C2** ; T01-H05B1; T01-J05B2A; **T01-J12C** ;
    T01-N01D1B; T01-N01D3; W01-A03B; W01-A06B5B; W01-A06F5; W01-A06G2;
    W02-F07M; W02-F10A; W02-F10N; W02-K03

 30/9/5   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014095597   **Image available**
WPI Acc No: 2001-579811/200165
XRPX Acc No: N01-431623
    Copyright protected digital data management e.g. for CATV broadcast,
    involves arranging visible watermark **information corresponding to**
    discrete data unit and authorization information as invisible watermark
Patent Assignee: FUJITSU LTD (FUIT); HASHIMOTO S (HASH-I); HIRANO H
    (HIRA-I); KOTANI S (KOTA-I); MURAMOTO K (MURA-I)
Inventor: HASHIMOTO S; HIRANO H; KOTANI S; MURAMOTO K
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010004736	A1	20010621	US 2000725674	A	20001130	200165	B
JP 2001177816	A	20010629	JP 99357131	A	19991216	200165	

Priority Applications (No Type Date): JP 99357131 A 19991216
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010004736	A1		19	G06F-012/14	
JP 2001177816	A		12	H04N-007/167	

Abstract (Basic): US 20010004736 A1
        NOVELTY - Content information (41) in data unit (43) is embedded as
    invisible digital **watermark** to create information added discrete data
    which is **encrypted** using content key (45). Visible **watermark**
    information is arranged in a position related to data unit (46) to
    create annex information added data unit. Composite data (60) is formed
    from **encrypted** data unit (46) and authorization information added
    unit (50) and embedded with invisible **watermark** type authorization
    information (48).
        DETAILED DESCRIPTION - An administrator **duplicates** **portion** of
    digital **content** (11) based on image composition information (42) to
    create discrete data unit (43).INDEPENDENT CLAIMS are also included for
    the following:
        (a) Recording medium storing image generation program;
        (b) Recording medium storing image restoration program

USE - For distributing copyright protected digital content stored on floppy disk, hard disk, magneto optical disk, CD-ROM, DVD and mini-disk. Also for protecting computerized data distributed through Internet, cable television (CATV) broadcast, library apo-graphs, art museum collections.

ADVANTAGE - Provides data management which facilitates use only by legitimate users without violating copyright and literary property and eliminates time consuming in transmission and receiving of data and large memory capacity consumption for storing data. The technique enables user to overview portion of content before hiring. The transmission of data with authorization information embedded as invisible **watermark** eliminates need for transmitting **decryption** key through separate route.

DESCRIPTION OF DRAWING(S) - The figure shows the principle diagram of distributed data being created.

Digital content (11)
Content information (41)
Image composition information (42)
Discrete data unit (43)
Content key (45)
Data unit (46)
Authorization information (48)
Authorization information added unit (50)
Composite data (60)
pp; 19 DwgNo 5/10

Title Terms: PROTECT; DIGITAL; DATA; MANAGEMENT; CATV; BROADCAST; ARRANGE; VISIBLE; **WATERMARK** ; INFORMATION; CORRESPOND; DISCRETE; DATA; UNIT; INFORMATION; INVISIBLE; **WATERMARK**

Derwent Class: T01; W02

International Patent Class (Main): G06F-012/14; H04N-007/167

International Patent Class (Additional): G06F-015/00; G06F-017/60; G06T-001/00; **H04L-009/32** ; H04N-001/387; H04N-007/08; H04N-007/081

File Segment: EPI

Manual Codes (EPI/S-X): T01-D01; W02-F01

```
File    2:INSPEC 1969-2004/May W2
           (c) 2004 Institution of Electrical Engineers
File    6:NTIS 1964-2004/May W3
           (c) 2004 NTIS, Intl Cpyrght All Rights Res
File    8:Ei Compendex(R) 1970-2004/May W2
           (c) 2004 Elsevier Eng.  Info. Inc.
File   34:SciSearch(R) Cited Ref Sci 1990-2004/May W3
           (c) 2004 Inst for Sci Info
File   35:Dissertation Abs Online 1861-2004/Apr
           (c) 2004 ProQuest Info&Learning
File   65:Inside Conferences 1993-2004/May W3
           (c) 2004 BLDSC all rts. reserv.
File   94:JICST-EPlus 1985-2004/Apr W4
           (c)2004 Japan Science and Tech Corp(JST)
File   95:TEME-Technology & Management 1989-2004/May W1
           (c) 2004 FIZ TECHNIK
File   99:Wilson Appl. Sci & Tech Abs 1983-2004/Apr
           (c) 2004 The HW Wilson Co.
File  111:TGG Natl.Newspaper Index(SM) 1979-2004/May 21
           (c) 2004 The Gale Group
File  144:Pascal 1973-2004/May W2
           (c) 2004 INIST/CNRS
File  202:Info. Sci. & Tech. Abs. 1966-2004/May 14
           (c) 2004 EBSCO Publishing
File  233:Internet & Personal Comp. Abs. 1981-2003/Sep
           (c) 2003 EBSCO Pub.
File  266:FEDRIP 2004/Mar
           Comp & dist by NTIS, Intl Copyright All Rights Res
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
           (c) 1998 Inst for Sci Info
File  483:Newspaper Abs Daily 1986-2004/May 20
           (c) 2004 ProQuest Info&Learning
File  583:Gale Group Globalbase(TM) 1986-2002/Dec 13
           (c) 2002 The Gale Group
File  603:Newspaper Abstracts 1984-1988
           (c)2001 ProQuest Info&Learning


Set     Items    Description
S1      230628    (DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYB-
                 ER OR ONLINE OR VIRTUAL OR LINE)(1W)(CONTENT? ? OR ASSET? ? OR
                  DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES -
                 OR OBJECT? ? OR RECORD? ?)
S2        213    EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3        500    (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? -
                 OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)(-
                 2W)S1:S2
S4        220    (PART OR PARTS)(2W)S1:S2
S5      2011548   DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR
                 REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6       41053   ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYP-
                 T? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR
                 UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S7       41053   ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYP-
                 T? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR
                 UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S8       1639    DESCRAMBL? OR UNSCRAMBL?
S9      31722    SCRAMBL?
S10     802521   CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR
                  CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD?
                 OR UNCOD???? ?
S11      12525   WATERMARK? OR WATER()(MARK OR MARKS OR MARKED OR MARKING? -
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                ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO()(GRAPH???? ? -
                OR GRAM? ?)
S12      23770  S5(3N)(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBS-
                ET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMEN-
                T? ?)
S13       4796  S5(3N)(PART OR PARTS)
S14          2  S3:S4(10N)S5
S15          5  S12:S13(15N)S1:S2
S16         15  S3:S4(S)S5
S17         55  S12:S13(S)S1:S2
S18          9  S16:S17 AND S7:S10
S19          8  RD (unique items)
```

19/7/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7468647   INSPEC Abstract Number: B2003-01-6210R-018, C2003-01-6130M-014
  **Title: Efficient identification of traitors in fingerprinted multimedia
contents**
  Author(s): Fernandez, M.; Soriano, M.
  Author Affiliation: Dept. d'Enginyeria Telematica, Univ. Politecnica de
Catalunya, Barcelona, Spain
  Conference Title: Proceedings 13th International Workshop on Database and
Expert Systems Applications. DEXA 2002   p.463-7
  Editor(s): Tjoa, A.M.; Wagner, R.R.
  Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
  Publication Date: 2002 Country of Publication: USA   xxi+898 pp.
  ISBN: 0 7695 1668 8   Material Identity Number: XX-2002-02894
  U.S. Copyright Clearance Center Code: 1529-4188/02/$17.00
  Conference Title: Proceedings 13th International Workshop on Database and
Expert Systems Applications
  Conference Date: 2-6 Sept. 2002   Conference Location: Aix-en-Provence,
France
  Language: English   Document Type: Conference Paper (PA)
  Treatment: Theoretical (T)

  Abstract: In a fingerprinting scheme a different set of marks is embedded
in each copy of a **digital   object** , in order to deter illegal
redistribution. A group of dishonest users, called traitors, collude to
create a pirate copy that hides their identities, by putting together
different **parts** of their **copies** . If the sets to be embedded are the
codewords of an error correcting code then efficient algorithms can be used
to trace the guilty. In this paper we present a tracing algorithm that, by
taking advantage of soft-decision **decoding** techniques, finds all possible
identifiable traitors. (9 Refs)
  Subfile: B C

19/7/8   (Item 1 from file: 144)
DIALOG(R)File 144:Pascal
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15663034   PASCAL No.: 02-0369071
  Collusion secure q-ary fingerprinting for perceptual content
  **Security and privacy in digital rights management. Philadelphia PA, 5
November 2001 : revised papers**
  SAFAVI-NAINI Reihaneh; YEJING WANG
  SANDER Tomas, ed
  School of Information Technology and Computer Science University of

Wollongong, Wollongong 2522, Australia
  ACM CCS-8 workshop DRM 2001ACM workshop on security and privacy in
digital rights managementACM conference on computer and communications
security, 8 (Philadelphia PA USA) 2001-11-05

  We propose a q-ary fingerprinting system for stored **digital   objects**
such as images, videos and audio clips. A fingerprint is a q-ary sequence.
The object is divided into blocks and each symbol of the fingerprint is
embedded into one block. Colluders construct a pirate object by assembling
 parts from their **copies** . They can also erase some of the marks or cut
out part of the object resulting in a shortened fingerprint with some
unreadable marks. We give constructions of codes that can identify one of
the colluders once a pirate object is found.

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File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Apr
        (c)2004 Info.Sources Inc

Set      Items   Description
S1       4788    (DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYB-
                 ER OR ONLINE OR VIRTUAL OR LINE)(1W)(CONTENT? ? OR ASSET? ? OR
                 DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES -
                 OR OBJECT? ? OR RECORD? ?)
S2         16    EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3          8    (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? -
                 OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)(-
                 2W)S1:S2
S4         13    (PART OR PARTS)(2W)S1:S2
S5       5593    DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR
                 REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6       3067    ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYP-
                 T? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR
                 UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S7       3067    ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYP-
                 T? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR
                 UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S8         15    DESCRAMBL? OR UNSCRAMBL?
S9        103    SCRAMBL?
S10      2726    CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR
                 CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD?
                 OR UNCOD???? ?
S11       187    WATERMARK? OR WATER()(MARK OR MARKS OR MARKED OR MARKING? -
                 ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO()(GRAPH???? ? -
                 OR GRAM? ?)
S12         0    S3:S4(10N)S5
S13        55    S5(3N)(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBS-
                 ET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMEN-
                 T? ?)
S14        33    S5(3N)(PART OR PARTS)
S15         0    S13:S14(10N)S1:S2
S16         4    S13:S14(S)S1:S2
S17         4    RD (unique items)
? t17/7/3-4
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17/7/3
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00119085   DOCUMENT TYPE: Review

PRODUCT NAMES: Local Content Manager   (771139)

TITLE: Closing the Gap Between Customers and Content
AUTHOR: Pugh, Angela M
SOURCE: Data Communications,   v28 n8 p32(2) May 21, 1999
ISSN: 0363-6399

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Digital Island's Local Content Manager is a service for high-volume Web
sites, electronic software distribution, and electronic publishing. Local
Content Manager has seven distribution sites, called LCMs globally. Each
LCM has Enterprise Servers from Sun Microsystems with redundant processors

and power supplies, Sun RAID storage systems, 7000 series routers from
Cisco Systems, caching software from Inktomi, and replication software from
Webspective Software. All are linked by a T3 ATM backbone connected to the
Internet via prominent Internet service providers (ISPs) in each covered
location. Customers store their content on Web servers at one of four data
centers, and can update it from far away. Digital Island's **components** can
then automatically **replicate** it to all LCMs. The LCM hosting service is a
pioneer in distributing content and applications to servers around the
globe using mirroring and caching. Advantages to companies/customers
include connection costs of as much as 25 to 30 percent, because some of
the data becomes available locally and doe not have to be shipped over
high-cost international lines each time a user requests it. End-users will
find that when a uniform resource locator (URL) is clicked, the request is
sent to a local ISP linked to the Digital Island backbone. The ISP learns
the origin of the request and sends it to the nearest **Digital** Island
Data center.

REVISION DATE: 20021030

17/7/4
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00081629   DOCUMENT TYPE: Review

PRODUCT NAMES: Oracle   (004233)

TITLE: Distributed Enterprise
AUTHOR: Borsook, Paulina
SOURCE: Oracle Magazine,   v9 n4   p30(13) Jul/Aug 1995
ISSN: 1065-3171
HOMEPAGE: http://www.oramag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Problems encountered in creating a distributed enterprise, and technologies
that can ameliorate them, are described. Solutions discussed support data
synchronization; communication and network bandwidth; security; support;
compatibility; performance; and data ownership, among others. One user, a
large U.S. retailer, has an Oracle-based, partitioned database system based
on disparate merchandising lines. The effective system utilizes a scalable
UNIX client/server architecture and a home page on the World Wide Web
(Web). The firm uses asynchronous **replication** to distribute data **subsets**
 from the merchandising database over multiple machines. Additional topics
covered, among others, include methods for managing replicated data;
communications issues; IT support and infrastructure; firewalls; mobile
computing; and **electronic   data** interchange.

REVISION DATE: 20030428

```
File 696:DIALOG Telecom. Newsletters 1995-2004/May 20
          (c) 2004 The Dialog Corp.
File  15:ABI/Inform(R) 1971-2004/May 21
          (c) 2004 ProQuest Info&Learning
File  98:General Sci Abs/Full-Text 1984-2004/May
          (c) 2004 The HW Wilson Co.
File 484:Periodical Abs Plustext 1986-2004/May W3
          (c) 2004 ProQuest
File 813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
File 613:PR Newswire 1999-2004/May 21
          (c) 2004 PR Newswire Association Inc
File 635:Business Dateline(R) 1985-2004/May 21
          (c) 2004 ProQuest Info&Learning
File 810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
File 610:Business Wire 1999-2004/May 21
          (c) 2004 Business Wire.
File 369:New Scientist 1994-2004/May W2
          (c) 2004 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
          (c) 1999 AAAS
File  20:Dialog Global Reporter 1997-2004/May 21
          (c) 2004 The Dialog Corp.
File 624:McGraw-Hill Publications 1985-2004/May 20
          (c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2004/May 20
          (c) 2004 San Jose Mercury News
File 647:CMP  Computer Fulltext 1988-2004/May W2
          (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/May W3
          (c) 2004 IDG Communications


Set     Items    Description
S1      809306   (DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYB-
                 ER OR ONLINE OR VIRTUAL OR LINE)(1W)(CONTENT? ? OR ASSET? ? OR
                 DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES -
                 OR OBJECT? ? OR RECORD? ?)
S2        3355   EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3        1578   (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? -
                 OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)(-
                 2W)S1:S2
S4         641   (PART OR PARTS)(2W)S1:S2
S5     2535911   DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR
                 REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6      151252   ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYP-
                 T? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR
                 UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S7      151252   ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYP-
                 T? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR
                 UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S8        5197   DESCRAMBL? OR UNSCRAMBL?
S9      152336   SCRAMBL?
S10     294975   CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR
                 CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD?
                 OR UNCOD???? ?
S11      18424   WATERMARK? OR WATER()(MARK OR MARKS OR MARKED OR MARKING? -
                 ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO()(GRAPH???? ? -
                 OR GRAM? ?)
S12      10503   S5(3N)(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBS-
                 ET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMEN-
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                   T?  ?)
S13      8595    S5(3N)(PART OR PARTS)
S14       319    S3:S4(10N)S5
S15        37    S12:S13(15N)S1:S2
S16       309    S14:S15(S)S7:S10
S17       308    S14:S15(S)S7:S9
S18         0    S16:S17(S)S11
S19         1    S16/2000:2004
S20       308    S16 NOT S19
S21       117    300()MILLION()COPIES(1W)RSA
S22       194    S20 NOT S21
S23       161    300(2W)MILLION(2W)COPIES(2W)RSA
S24       150    S22 NOT S23
S25       468    MILLION(2W)COPIES(2W)RSA
S26         4    S24 NOT S25
?
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File    9:Business & Industry(R) Jul/1994-2004/May 19
           (c) 2004   The Gale Group
File   16:Gale Group PROMT(R) 1990-2004/May 21
           (c) 2004 The Gale Group
File   47:Gale Group Magazine DB(TM) 1959-2004/May 20
           (c) 2004 The Gale group
File  148:Gale Group Trade & Industry DB 1976-2004/May 21
           (c)2004 The Gale Group
File  160:Gale Group PROMT(R) 1972-1989
           (c) 1999 The Gale Group
File  275:Gale Group Computer DB(TM) 1983-2004/May 21
           (c) 2004 The Gale Group
File  570:Gale Group MARS(R) 1984-2004/May 21
           (c) 2004 The Gale Group
File  621:Gale Group New Prod.Annou.(R) 1985-2004/May 20
           (c) 2004 The Gale Group
File  636:Gale Group Newsletter DB(TM) 1987-2004/May 21
           (c) 2004 The Gale Group
File  649:Gale Group Newswire ASAP(TM) 2004/May 20
           (c) 2004 The Gale Group


Set     Items    Description
S1    1204540    (DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYB-
                 ER OR ONLINE OR VIRTUAL OR LINE)(1W)(CONTENT? ? OR ASSET? ? OR
                 DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES -
                 OR OBJECT? ? OR RECORD? ?)
S2       5359    EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3       2826    (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? -
                 OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)(-
                 2W)S1:S2
S4       1315    (PART OR PARTS)(2W)S1:S2
S5    2112331    DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR
                 REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6     245161    ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYP-
                 T? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR
                 UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S7     245161    ENCRYPT? OR ENCIPHER? OR ENCYPHER? OR DECRYPT? OR UNENCRYP-
                 T? OR UNENCIPHER? OR UNENCYPHER? OR DECIPHER? OR DECYPHER? OR
                 UNCRYPT? OR UNCYPHER? OR UNCIPHER?
S8      10178    DESCRAMBL? OR UNSCRAMBL?
S9     121760    SCRAMBL?
S10    425471    CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR
                 CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD?
                 OR UNCOD???? ?
S11     22444    WATERMARK? OR WATER()(MARK OR MARKS OR MARKED OR MARKING? -
                 ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO()(GRAPH???? ? -
                 OR GRAM? ?)
S12     13844    S5(3N)(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBS-
                 ET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMEN-
                 T? ?)
S13      8337    S5(3N)(PART OR PARTS)
S14       569    S3:S4(S)S5
S15       175    S12:S13(S)S1:S2
S16       525    S14:S15(S)S7:S10
S17        18    S16/2000:2004
S18       507    S16 NOT S17
S19      1025    MILLION? ?(2W)COPIES(2W)RSA
S20         8    S18 NOT S19
S21         7    RD (unique items)
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Set     Items   Description
S1       439    AU='HIRANO H':AU='HIRANO H C O SONY COMPUTER ENTERTAINMENT
                INC'
S2        80    AU='HIRANO HIDEYUKI':AU='HIRANO HIDEYUKI C O FUJITSU LIMIT-
                ED'
S3        87    AU='KOTANI S'
S4        26    AU='KOTANI SEIGO':AU='KOTANI SEIGOU FUJITSU LIMITED'
S5       793    AU='HASHIMOTO S':AU='HASHIMOTO S OSAKA BRANCH IN K K KOBE -
                SEIKO SH'
S6       455    AU='HASHIMOTO SHINJI':AU='HASHIMOTO SHINJI MATSUSHITA ELEC
                WORKS LTD'
S7        23    AU='MURAMOTO K'
S8        14    AU='MURAMOTO KAZUHIKO'
S9        12    S1:S2 AND S3:S8
S10     4265    DIGITAL(1W)CONTENT? ?
S11        9    S1:S8 AND S10
S12      822    S10(25N)(WATERMARK? OR ENCRYPT?)
S13        6    S1:S8 AND S12
```

13/9/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07284021   **Image available**
DATA OPERATING METHOD

```
PUB. NO.:      2002-152490  [JP 2002152490  A]
PUBLISHED:     May 24, 2002 (20020524)
INVENTOR(s):   HIRANO HIDEYUKI
               HASHIMOTO SHINJI
               HATTORI MORINORI
               MOCHIZUKI SHIGETOSHI
APPLICANT(s):  FUJITSU LTD
APPL. NO.:     2000-342753  [JP 2000342753]
FILED:         November 10, 2000 (20001110)
INTL CLASS:    H04N-001/387; G06T-001/00; G09C-005/00; G10K-015/02;
               G10L-011/00; G10L-019/00; H04L-009/08; H04N-007/08;
               H04N-007/081; H04N-007/16
```

ABSTRACT
PROBLEM TO BE SOLVED: To provide a data operating method which prevents
infringements of copyrights by encoding and distributing digital contents,
and readily grasps what kind of contents the digital contents included in
data have.
SOLUTION: Symbol information symbolized so as to visually or aurally
recognize contents of digital contents to be distributed is generated (step
S12), the symbol information is embedded in a header data (step S13), the
digital contents are encoded (step S15), permission information
containing information on a contents key is embedded in the header data as
digital watermarking (step S16), and a true data and the header data with
the permission information are composited for distribution (step S17).

13/9/2   (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06950264   **Image available**
DATA OPERATION METHOD, RECORDING MEDIUM FOR RECORDING PROGRAM OF IMAGE
GENERATING METHOD, TRANSMISSION MEDIUM FOR TRANSMITTING THE PROGRAM OF THE
IMAGE GENERATING METHOD, RECORDING MEDIUM FOR RECORDING PROGRAM OF IMAGE
DECODING METHOD AND TRANSMISSION MEDIUM FOR TRANSMITTING THE PROGRAM OF THE
IMAGE DECODING METHOD

PUB. NO.:   2001-177816 [JP 2001177816 A]
PUBLISHED: June 29, 2001 (20010629)
INVENTOR(s):   **HIRANO HIDEYUKI**
               KOTANI MASATAKE
               HASHIMOTO SHINJI
               MURAMOTO KAZUHIKO
APPLICANT(s): FUJITSU LTD
APPL. NO.:   11-357131 [JP 99357131]
FILED: December 16, 1999 (19991216)
INTL CLASS: H04N-007/167; G06F-012/14; G06F-015/00; G06F-017/60;
               G06T-001/00; H04N-001/387; H04N-007/08; H04N-007/081

ABSTRACT
PROBLEM TO BE SOLVED: To provide a data operation method that facilitates
the utilization by legal users without losing the author's copyright and
the copyright of **digital contents** .

SOLUTION: Part of **digital contents** 11 is copied to generate a partial
data part 43, which is **encrypted** by using a contents key 45, the contents
key 45 and image composite information 42 are **encrypted** by an **encryption**
 key 47 to generate permission information 48, contents information 41 is
visibly embedded to the **digital contents** 11, a data part 50 with the
permission information to which the permission information 48 is embedded
as invisible information and an **encrypted** partial data part 46 are
composited to generate composite data 60, which are distributed.

13/9/3   (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06753365   **Image available**
DATA OPERATING METHOD

PUB. NO.:   2000-339227 [JP 2000339227 A]
PUBLISHED: December 08, 2000 (20001208)
INVENTOR(s):   **HIRANO HIDEYUKI**
               KOTANI MASATAKE
               HASHIMOTO SHINJI
APPLICANT(s): FUJITSU LTD
APPL. NO.:   11-147769 [JP 99147769]
FILED: May 27, 1999 (19990527)
INTL CLASS: G06F-012/14; G06T-001/00; H04N-001/387

ABSTRACT
PROBLEM TO BE SOLVED: To prevent piracy b distributing digital contents by
ciphering them and to prevent destruction and loss of permission
information to decode the ciphered digital contents.

SOLUTION: The ciphered contents 45 is generated by ciphering the **digital
contents** 11 by a contents key 44, a part of the **digital contents** 11
is extracted as sample data 41, sample data 47 with **watermark** formed by
embedding a secret key 46 formed by ciphering the contents key 44 by user
information 14 in the sample data 41 as invisible information is generated
and synthetic data 48 formed by synthesizing the ciphered contents 45 with
the sample data 47 with watermark is distributed.

13/9/4   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015683282   **Image available**
WPI Acc No: 2003-745471/200370
XRPX Acc No: N03-597184
   Digital content **distribution method using Internet, involves
embedding** encryption **key of moving image data, as** watermark **in
advertising information to be distributed along with** encrypted **moving
image data**
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: **HIRANO H**
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030154378	A1	20030814	US 2003364476	A	20030212	200370	B
JP 2003309550	A	20031031	JP 2002337998	A	20021121	200374	

Priority Applications (No Type Date): JP 2002337998 A 20021121; JP
   200235903 A 20020213
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030154378	A1		17	H04L-009/00	
JP 2003309550	A		11	H04L-009/08	

Abstract (Basic): US 20030154378 A1
      NOVELTY - A digital moving image data to be used conditionally, is
   encrypted using a predetermined encryption key by a content provider
   (20). An advertising publicity information to be used unconditionally,
   in which the encryption key is embedded as electronic water mark, is
   generated. The encrypted image data and advertising information are
   distributed to content user (30).
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
      (1) digital content use device; and
      (2) computer program product for digital content distribution.
      USE - For distributing digital content e.g. moving image data to
   user, using Internet.
      ADVANTAGE - The distribution content is protected, and the content
   users can use only the amount of content they want to use. Moreover the
   advertisement providers are benefited, since the users certainly use
   the adds to get the encryption key.

DESCRIPTION OF DRAWING(S) - The figure shows an explanatory view of
the business model using the digital content distribution method.
advertising provider (10)
content provider (20)
content user (30)
usage monitor (40)
pp; 17 DwgNo 1/15
Title Terms: DIGITAL; CONTENT; DISTRIBUTE; METHOD; EMBED; ENCRYPTION; KEY;
MOVE; IMAGE; DATA; WATERMARK; ADVERTISE; INFORMATION; DISTRIBUTE;
ENCRYPTION; MOVE; IMAGE; DATA
Derwent Class: P85; T01; W01
International Patent Class (Main): H04L-009/00; H04L-009/08
International Patent Class (Additional): G06F-012/14; G06T-001/00;
G09C-005/00; H04L-009/32; H04N-001/387; H04N-007/08; H04N-007/081
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-D01; T01-N01D1; T01-N02B1A; W01-A05A

13/9/5   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014715909   **Image available**
WPI Acc No: 2002-536613/200257
XRPX Acc No: N02-424940
**Data administration method for electronic data stored in magnetic disk,
floppy disk, DVD, involves embedding consent information containing
information on encryption key in header data section as electronic
watermark**
Patent Assignee: FUJITSU LTD (FUIT); HASHIMOTO S (HASH-I); HATTORI E
(HATT-I); HIRANO H (HIRA-I); MOCHIZUKI S (MOCH-I)
·Inventor: **HASHIMOTO S** ; HATTORI E; **HIRANO** H ; MOCHIZUKI S
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020059522	A1	20020516	US 2001811550	A	20010320	200257	B
JP 2002152490	A	20020524	JP 2000342753	A	20001110	200257	

Priority Applications (No Type Date): JP 2000342753 A 20001110
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020059522	A1		26	H04L-009/32	
JP 2002152490	A		15	H04N-001/387	

Abstract (Basic): US 20020059522 A1
NOVELTY - A header data section (16) is prepared for visual or
auditory recognition of **digital   content** attributes. A consent
information (13) added to section (16) containing consent data on an
encryption key in **encrypting   digital   content** is embedded in
section (16) as an electronic **watermark** . A composite data is prepared
in which a real data section (15) and consent data added header data
section are composited, thereby distributing composite data.
USE - For data administration in computer program and in electronic
publication and for electronic data stored on magneto optical disk,
digital video disk, floppy disk, mini disk, etc.
ADVANTAGE - The **digital   content** high in security request is
encrypted by using the **encryption** key to maintain the security
effect and the **digital   content** low in the security request omits
the **encrypting** , whereby a reduction in period of time for producing
the synthetic data at that time of distribution and reduction in period

of time for starting at the time of using can be made.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram
    explaining the data administration method.
        Consent information (13)
        Real data section (15)
        Header data section (16)
        pp; 26 DwgNo 1/20
Title Terms: DATA; ADMINISTER; METHOD; ELECTRONIC; DATA; STORAGE; MAGNETIC;
    DISC; FLOPPY; DISC; EMBED; INFORMATION; CONTAIN; INFORMATION; ENCRYPTION;
    KEY; HEADER; DATA; SECTION; ELECTRONIC; WATERMARK
Derwent Class: P85; P86; T01; T03; W04
International Patent Class (Main): H04L-009/32; H04N-001/387
International Patent Class (Additional): G06F-011/30; G06F-012/14;
    G06T-001/00; G09C-005/00; G10K-015/02; G10L-011/00; G10L-019/00;
    H04L-009/08; H04N-007/08; H04N-007/081; H04N-007/16; H04N-007/167
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-D01; T01-H01B1; T03-N01; W04-F01L3

    13/9/6   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013632250   **Image available**
WPI Acc No: 2001-116458/200113
XRPX Acc No: N01-085919
    Data implementation involves producing synthesis data by synthesizing
    encryption **contents obtained by** encryption **of** digital   contents
    with sample data containing embedded watermark **produced based on secret
    key**
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: **HASHIMOTO S ;   HIRANO H ;   KOTANI S**
Number of Countries: 002   Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2000339227 A   20001208 JP 99147769   A   19990527 200113 B
US 20030177093 A1   20030918 US 2000559259 A   20000427 200362

Priority Applications (No Type Date): JP 99147769 A 19990527
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2000339227 A   9 G06F-012/14
US 20030177093 A1   G06F-017/60
Abstract (Basic): JP 2000339227 A
        NOVELTY - **Encryption** contents (45) are produced by **encrypting**
    digital   contents (11) using contents key (44). Sample data (41) is
    extracted from **digital   contents** , and a secret key (46) is obtained
    by enciphering contents key using user data (14). **Watermark** (47) with
    consent information is embedded in sample data based on secret key.
    Synthesis data (48) is produced by synthesizing contents (45) with the
    sample data.
        USE - For software and electronic publications e.g. computer
    program and electronic data, on magneto-optical disk, digital video
    disk, floppy disk, mini disk and other recording media.
        ADVANTAGE - Prevents the infringement of copyright by performing
    encryption of **digital   contents** . Prevents the loss of decoding key
    and eliminates complicated decoding operation. Maintains high security
    by embedding consent information as invisible information in the sample
    data.
        DESCRIPTION OF DRAWING(S) - The figure shows the theoretical

diagram of digital contents distribution system.
       Digital contents (11)
       User information (14)
       Sample data (41)
       Contents key (44)
       Encryption contents (45)
       Secret key (46)
       Watermark (47)
       Synthesis data (48)
       pp; 9 DwgNo 4/9
Title Terms: DATA; IMPLEMENT; PRODUCE; SYNTHESIS; DATA; SYNTHESIS;
  ENCRYPTION; CONTENT; OBTAIN; ENCRYPTION; DIGITAL; CONTENT; SAMPLE; DATA;
  CONTAIN; EMBED; WATERMARK; PRODUCE; BASED; SECRET; KEY
Derwent Class: T01
International Patent Class (Main): G06F-012/14; G06F-017/60
International Patent Class (Additional): G06T-001/00; H04N-001/387
File Segment: EPI
Manual Codes (EPI/S-X): T01-D01
?